

2018-03399

Feature activity 05

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
Unable to find image 'httpd:2.4' locally
2.4: Pulling from library/httpd
69692152171a: Already exists
7284b4e0cc7b: Pull complete
3678b2d55ccd: Pull complete
aeb67982a725: Pull complete
06954f8169fd: Pull complete
Digest: sha256:48bae0ac5d0d75168f1c1282c0eb21b43302cb1b5c5dc9fa3b4a758ccfb36fe9
Status: Downloaded newer image for httpd:2.4
8ef501ec267398af43aef68f9ba56af32aae86b65a8037bddbb68d6bc482a0b4
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
ae455caa11be08e7c981e8c0197e5ea49d58b20cbf0e2018e2271a514f00c70c
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume ls
DRIVER      VOLUME NAME
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume create myvolume
myvolume
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume rm myvolume
myvolume
```

I ran into an error, so I had to stop apache first before running the code again

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
docker: Error response from daemon: Conflict. The container name "/apache" is already in use by container "ae455caa11be08e7c981e8c0197e5ea49d58b20cbf0e2018e2271a514f00c70c". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
107394fba46f3e303817e31223422acf51a8ce2a156bf8fcef4c369b0d60b6
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
1475b71762a9c071cdbc543a2a3a7027dcbf6988ba43d2481525414455325783
```

```
C:\Users\Clynt\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>
```

Mounting: (I had trouble with the directory syntax at first but figured it out eventually)

```
C:\Users\Clynt\Documents\Github\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v Users\Clynt\Documents\Github\ME8_Containerization_and_Docker\5-volumes httpd:2.4
b294d75b1d5b04cd81bfc0de2764d524ead7356fb647647c1787771859687326

C:\Users\Clynt\Documents\Github\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>
```